

CLAIMS

1. A system for generating foam in a sanitary appliance including
a dosing device previously filled with a substance capable of foaming, said dosing
5 device capable of metering a dosage of said substance;
an agitation mechanism to agitate said substance to create foam;
a receptacle to retain said substance for communication with said agitation
mechanism;
a fluid supply means to allow fluid transport of said substance to said receptacle;
10 and
a triggering mechanism for activating said fluid supply means.

2. A system for generating foam in a sanitary appliance according to claim 1 wherein
said dosing device includes a container, for containing said substance.

3. A system for generating foam in a sanitary appliance according to any one of
claims 1 or 2 wherein the said dosing device further includes a positioner to maintain a
position of said container, said positioner further including an opening at a bottom end of
said positioner.

4. A system for generating foam in a sanitary appliance according to claim 3 wherein
said positioner further includes a piercing means to extend through the opening at the
bottom end of said positioner.

5. A system for generating foam in a sanitary appliance according to claim 1 wherein
said fluid supply means further includes a first outlet and a second outlet.

6. A system for generating foam in a sanitary appliance according to any one of
claims 1 or 5 wherein said first outlet is directed at said opening at a bottom end of said
30 positioner.

7. A system for generating foam in a sanitary appliance according to any one of
claims 1 or 5 wherein said second outlet is directed at an inlet of said agitation
mechanism.

8. A system for generating foam in a sanitary appliance according to any one of claims 1 or 7 wherein said agitation mechanism is a head with a plurality of spray channels.

5 9. A system for generating foam in a sanitary appliance according to any one of claims 1, 7 or 8 wherein said agitation mechanism is positioned at an elevation to said receptacle.

10 10. A system for generating foam in a sanitary appliance according to any one of the preceding claims wherein said system further includes a funneled container to contain and direct said foam generated in said receptacle, directly into said sanitary appliance.

11. A system for generating foam in a sanitary appliance according to claim 10, wherein the foam generated is directed to cistern of said sanitary appliance.

15 12. A system for generating foam in a sanitary appliance according to claim 10, wherein the foam generated is directed to an overflow pipe of said sanitary appliance.

20 13. A system for generating foam in a sanitary appliance according to any one of the preceding claims wherein said triggering mechanism is a valve.

14. A system for generating foam in a sanitary appliance according to any one of the preceding claims wherein said triggering mechanism for activating the fluid supply means is manually activated.

25 15. A system for generating foam in a sanitary appliance according to claim 14 wherein said manually activated triggering mechanism for activating the fluid supply means is a push valve.

30 16. A system for generating foam in a sanitary appliance according to any one of claims 1 to 11 wherein said triggering mechanism for activating the fluid supply means is electronically activated.

35 17. A system for generating foam in a sanitary appliance according to claim 16 wherein said electronically activated triggering mechanism for activating the fluid supply means is triggered by a detector.

18. A system for generating foam in a sanitary appliance according to claim 17 wherein said detector for activating the triggering mechanism is a motion detector.

5 19. A system for generating foam in a sanitary appliance according to any one of the preceding claims where in use, said container for containing the substance capable of foaming is positioned in said positioner, and said piercing means on said positioner creates an aperture on said container.

10 20. A dosing device, adaptable to be used in a system for generating foam according to any one of the preceding claims including

a container, said container previously filled with a substance capable of foaming;

15 a positioner to position and house said container, said positioner further including a substantially vertically extending pin, said pin capable of creating an aperture at a bottom end of said container; and

a fluid supply means;

wherein said outlet of said fluid supply means is directed at said aperture on said bottom end of said container.

20 21. A dosing device, adaptable to be used in a system for generating foam according to claim 20 where in use, the container is put in said positioner and said pin creates an aperture on a bottom end of said container.

25 22. A dosing device, adaptable to be used in a system for generating foam according to any one of claims 20 or 21 wherein said container further includes a protrusion extending from a bottom end of the container.

30 23. A dosing device, adaptable to be used in a system for generating foam according to any one of claims 20 to 23 wherein said aperture is on said protrusion so that fluid from the fluid supply means can easily be directed at the aperture.

35 24. A container, adapted to be used in a dosing device according to any one of claims 20 to 23.